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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/722,133	11/26/2003	Takashi Fujita	062709-0119	4657
22428	7590 05/12/2005		EXAM	INER
FOLEY AN	D LARDNER		WALBERG,	TERESA J
SUITE 500 3000 K STRE	EET NW		ART UNIT	PAPER NUMBER
	ON, DC 20007		3753	

DATE MAILED: 05/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		6
	Application No.	Applicant(s)
	10/722,133	FUJITA ET AL.
Office Action Summary	Examiner	Art Unit
· ·	Teresa J. Walberg	3753
The MAILING DATE of this communication ap	ppears on the cover sheet w	ith the correspondence address
Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep. If NO period for reply is specified above, the maximum statutory period. Failure to reply within the set or extended period for reply will, by statut. Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a ply within the statutory minimum of thin I will apply and will expire SIX (6) MOI te, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on		
	is action is non-final.	
3) Since this application is in condition for allows		ters, prosecution as to the merits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.). 11, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) 1-13 is/are pending in the application	n.	
4a) Of the above claim(s) is/are withdra		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-4,6,8,9,12 and 13</u> is/are rejected.		
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/	or election requirement.	
Application Papers		
9) The specification is objected to by the Examin	Or	
10) The drawing(s) filed on 26 November 2003 is/		Objected to by the Evaminer
Applicant may not request that any objection to the	, , , , , , , , , , , , , , , , , , , ,	- ·
Replacement drawing sheet(s) including the correct	•	, ,
11) The oath or declaration is objected to by the E		
	LAGITITIET. NOTE THE ATTACHE	d Office Action of form F10-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a)⊠ All b)□ Some * c)□ None of:		
 Certified copies of the priority document 	nts have been received.	
2. Certified copies of the priority documen	nts have been received in A	Application No
3. Copies of the certified copies of the price	ority documents have beer	received in this National Stage
application from the International Burea	au (PCT Rule 17.2(a)).	
* See the attached detailed Office action for a lis	t of the certified copies not	received.
Attachment(s)	_	
) Notice of References Cited (PTO-892)		Summary (PTO-413)
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 4/28/04. 		s)/Mail Date Informal Patent Application (PTO-152)
. opo: 110(3):Mail Date <u>1/20/04</u> .	IJ Ullei	 ·

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DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Simpson (4,341,346).

Simpson discloses a heat exchanger (Fig. 1) having the claimed structure including a header pipe (12), an inlet manifold (25), an outlet manifold, a first coupling member (34), a second coupling member (col. 3, lines 30-32), first and second pipe side connection holes (Fig. 1), and first and second manifold side connection holes (Fig. 1).

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 4, 6, and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simpson (4,341,346) in view of Sumikawa et al (4,266,604).

Simpson discloses a heat exchanger having the claimed structure with the exception of the coupling member including a plurality of coupling holes with identical diameters. However, Sumikawa et al disclose a coupling member (see

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Figs 9 and 10) which includes a plurality coupling holes having identical diameters. It would have been obvious in view of Sumikawa et al to provide a coupling member with a plurality of coupling holes in the heat exchanger of Simpson, the motivation being to reduce the number of parts used in manufacturing the device.

5. Claims 9, 12, and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simpson (4,341,346) in view of Sumikawa et al (4,266,604) as applied to claims 4, 6, and 8 above, and further in view of Rich (6,024,086).

Simpson in view of Sumikawa et al disclose a heat exchanger having the claimed structure with the exception of the header pipe including a plurality of fluid circulation holes. However, Rich discloses a heat exchanger including a header pipe having a plurality of fluid circulation holes. It would have been obvious in view of Rich to use a header pipe having a plurality of fluid circulation holes in the heat exchanger of Simpson in view of Sumikawa et al, the motivation being to reduce the number of parts used in manufacturing the device.

6. Claims 5, 7, 10, and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mueller, Scholl, Sadler, Buckley, and Ichiyanagi are cited to show tube connectors.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Teresa J. Walberg whose telephone number is 571-272-4790. The examiner can normally be reached on M-F 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Mancene can be reached on 571-272-4930. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Teresa J. Walberg Primary Examiner

Toresaf Malkey

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